



2123

PATENT
ATTORNEY DOCKET NO. CIT1440-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Shapiro et al. Art Unit: 2123
Serial No.: 09/993,291 Examiner To be assigned
Filed: November 13, 2001
Title: AUTOMATED METHODS FOR SIMULATING A BIOLOGICAL NETWORK

Commissioner for Patents
Washington, D.C. 20231

#4

TRANSMITTAL SHEET

Sir:

Transmitted herewith for the above-identified application, please find:

- (1) An Information Disclosure Statement (2 pages);
- (2) A Form PTO-1449 (2 pages);
- (3) Nine (9) References;
- (4) Return postcard

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CERTIFICATION UNDER 37 CFR §1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service as first class mail on this date, March 29, 2002 in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Jason Berry
Name of Person Mailing Paper Jason Berry
Jason Berry
Signature

In the Application of
Shapiro et al
Application Serial No.: 09/993,291
Filed: September 13, 2001
Page 2

PATENT
Attorney Docket No.: CIT1440-1

This Information Disclosure Statement is being filed prior to receipt of a First Office Action on the merits. Therefore, no fee is deemed necessary. However, the Commissioner is hereby authorized to charge any amounts required by this filing, or credit any overpayment, to Deposit Account No. 50-1355.

Respectfully submitted,

Date:

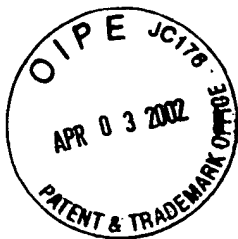
3/29/02



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United States Patent & Trademark Customer No. 28213



PATENT
ATTORNEY DOCKET NO. CIT1440-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Shapiro et al. Art Unit: 2123
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Title: AUTOMATED METHODS FOR SIMULATING A BIOLOGICAL
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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.97, enclosed are references relating to the above-identified application. For the convenience of the Examiner, these references are listed on the attached Form PTO-1449 and a copy of each is enclosed herewith.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

CERTIFICATION UNDER 37 CFR §1.8

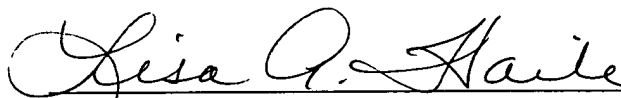
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Dated: 3/29/02

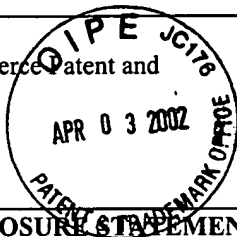


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FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office	Docket No. (Optional) CIT1440-1	Serial No.: 09/993,291
	Applicant(s): Shapiro et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: November 13, 2001	Group Art Unit: 2123



U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION (YES/NO)
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							APR 05 2002

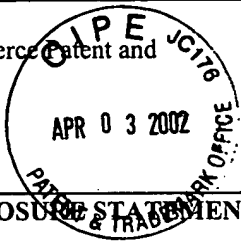
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

AA	Bhalla and Iyengar, "Emergent Properties of Networks of Biological Signaling Pathways," <i>Science</i> , Vol. 283, January 15, 1999, pgs. 381-387.
AB	Ichikawa, Kazuhisa, "A-Cell: Graphical User Interface for the Construction of Biochemical Reaction Models," <i>Bioinformatics Applications Note</i> , Vol. 17, No. 5, pgs. 483-484, (2001).
AC	Karp, Peter D., "MetaCyc: Metabolic Encyclopedia," Retrieved November 11, 2001 from Eco/Cyc/MetaCyc Home Page Web site: http://malibu.ai.sri.com/ecocyc/
AD	Kohn, Kurt W., "Molecular Interaction Map of the Mammalian Cell Cycle Control and DNA Repair Systems," <i>Molecular Biology of the Cell</i> , Vol. 10, August 1999, pgs. 2703-2734.
AE	Levchenko, Andre et al., "Scaffold Proteins May Biphasically Affect the Levels of Mitogen-Activated Protein Kinase Signaling and Reduce Its Threshold Properties," <i>PNAS</i> , Vol. 97, No. 11, May 23, 2000, pgs. 5818-5823 and 4 figures.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office 	Docket No. (Optional) CIT1440-1	Serial No.: 09/993,291
	Applicant(s): Shapiro et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Filing Date: November 13, 2001	Group Art Unit: 2123

	AF	Reinitz and Sharp, "Mechanism of <i>Eve</i> Stripe Formation," <i>Mechanisms of Development</i> , Vol. 49, 1995, pgs. 133-158.
	AG	Shapiro and Mjolsness, "Developmental Simulations with Cellerator," <i>International Conference on Systems Biology</i> , Abstract, November 2, 2001, pg. 118 and Table of Contents pgs. 1-15.
	AH	Shapiro and Mjolsness, "Developmental Simulations with Cellerator," <i>International Conference on Systems Biology</i> , Abstract, November 5-7, 2001, pgs. 1-10.
	AI	Shapiro, Bruce E. et al., "Automatic Model Generation for Signal Transduction with Applications to MAP-Kinase Pathways," <i>Foundations of Systems Biology</i> , preprint of a paper to be published in 2001, pgs. 1-17.

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